

DATA SECURITY DEVICE FOR DATA STORAGE MEDIUM

ABSTRACT OF THE DISCLOSURE

A data security device for data storage medium includes a USB mass
5 storage class controller connected to an operation system, such as a
personal computer, and a data protection device connecting the USB mass
storage class controller to a data storage medium. The data security
device may be incorporated in a USB-based data accessing device and
can be activated by a user via the operation system. The data protection
10 device includes a write protection unit which provides write protection to
the data storage medium when data are to be written by the operation
system to the data storage medium, an enciphering unit which enciphers
data written into the data storage medium and a deciphering unit which
deciphers the enciphered data stored in the data storage medium when the
15 operation system retrieves data from the data storage medium.